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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/481,396	01/12/2000	Koichiro Tanaka	0756-2092	5586	
31780	7590 10/06/2003		EXAM	EXAMINER	
ERIC ROBINSON			RODRIGUEZ,	RODRIGUEZ, ARMANDO	
PMB 955 21010 SOUT	HBANK ST.		ART UNIT	PAPER NUMBER	
POTOMAC F	FALLS, VA 20165		2828 DATE MAILED: 10/06/2003	3	

Please find below and/or attached an Office communication concerning this application or proceeding.

•	Application No.	Applicant(s)				
•	09/481,396	TANAKA, KOICHIRO				
Office Action Summary	Examiner	Art Unit				
	Armando Rodriguez	2828				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a repl - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute - Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). Status	136(a). In no event, however, may a reply be the statutory minimum of thirty (30) dawill apply and will expire SIX (6) MONTHS from the special of the specia	imely filed ays will be considered timely. In the mailing date of this communication. ED (35 U.S.C. § 133).				
1) Responsive to communication(s) filed on <u>29 August 2003</u> .						
	nis action is non-final.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4)⊠ Claim(s) <u>1-37</u> is/are pending in the application.						
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.	Claim(s) is/are allowed.					
6)⊠ Claim(s) <u>1-37</u> is/are rejected.	☑ Claim(s) <u>1-37</u> is/are rejected.					
7) Claim(s) is/are objected to.	SUPI	ERVISORY PATENT EXAMINER				
8) Claim(s) are subject to restriction and/or election requirement. TECHNOLOGY CENTER 2800 Application Papers						
9) The specification is objected to by the Examiner.						
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.						
If approved, corrected drawings are required in reply to this Office action.						
12)☐ The oath or declaration is objected to by the Examiner.						
Priority under 35 U.S.C. §§ 119 and 120						
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a)⊠ All b)□ Some * c)□ None of:						
1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents have been received in Application No						
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received. 14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).						
a) The translation of the foreign language provisional application has been received.						
15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.						
Attachment(s)						
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449) Paper No(s) 	5) Notice of Informa	rry (PTO-413) Paper No(s) I Patent Application (PTO-152)				

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DETAILED ACTION

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on June 30, 2003 has been entered.

Allowable Subject Matter

The indicated allowability of claims 1,4,10-12,17-20 and 31-34 is withdrawn in view of the newly discovered reference(s) to Yamazaki et al. Rejections based on the newly cited reference(s) follow.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 3,6,13-16, 24-26 and 35-37 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 3 and 13 are rejected under 35 U.S.C. 112, second paragraph, as being incomplete for omitting essential elements, such omission amounting to a gap between the elements. See MPEP § 2172.01. The omitted elements are: no structure has been recited for shielding the lens.

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Regarding claims 3 and 13,

It is not clear within the claim language, what applicant refers to as "outer side", since the structural arrangement of the cylindrical lenses have not been clearly defined.

It is clear within the claim language, how is the lens shielded?

It is not clear within the claim language, what the lens is shielded from?

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1,2,7,9,10-12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yamazaki et al.

Regarding claims 1,2,7,9,10,12,17,21,27,31,

Figure 2A of Yamazaki et al illustrates a laser system for irradiating a semiconductor substrate having a laser (201), cylindrical lens group (202) and (203) for dividing the laser beam, a cylindrical lens (204) for combining the divided beams and slit, which will provide the laser beam with edges, as described in the abstract and paragraph [0032] – [0035] and figure 11A illustrates the substrate. Figure 2A illustrates the output beam as having a width wider than the cylindrical lens.

Yamazaki does not disclose positioning the slit between the cylindrical lens and the laser source.

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However, it would have been an obvious matter of design choice to arrange the slit within the laser system, since providing the slit at any position within the laser system the slit will provide the laser beam with edges, thereby the invention would perform equally well and irradiate the semiconductor film.

Regarding claims 4-6,8 and 11,

Yamazaki et al does disclose a cylindrical lens (204) and (206) for combining the divided beams.

Regarding claims 19,22,29,33,

Figure 9 illustrates the cylindrical lens (204) as a convex lens, as it is commonly known in the art.

Regarding claims 18,28,32,

The use of a slit made of metal is notoriously well known in the art.

Regarding claims 20,23,24,

It is well known in the art to use an excimer laser or YAG laser, which provide a harmonic wave for irradiating a substrate, as disclosed by Shirashi et al in column 26.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Armando Rodriguez whose telephone number is (703) 308-6218. The examiner can normally be reached on 10-hour day / M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paul Ip can be reached on (703) 308-3098. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-

4881.

Armando Rodriguez

Examiner Art Unit 2828

AR/PI

Paul Ip Supervisor Art Unit 2828